

CLAIMS

1. Watch case comprising a case middle (B), a rotary bezel (1, 21), first (2a, 21a) and second (4, 13a, 23a) angular positioning markings, one set (4, 13a, 21a) secured to the rotary bezel (1, 21) and the other set (2a, 23a) to the case middle (B) and elastic means (3, 23) tending constantly to place said first (2a, 21a) and second (4, 13a, 23a) positioning markings in engagement with one another, the watch case being characterized in that the first (2a, 21a) and second (4, 13a, 23a) positioning markings are distributed evenly over 360° with respective numbers of spacings one of which is a multiple of the other which is at least equal to 2 and the respective outlines of which extend in a plane parallel to that of said bezel (1, 21), radial guide means (1a, 22a) being engaged with said markings (4, 13a, 23a) having the smallest number of spacings, said elastic means having the form of a closed-loop spring (3, 13, 23) associated with each of said markings (4, 13a, 23a) engaged with said radial guide means (1a, 22a) to simultaneously exert on these markings radial pressures directed toward said other markings (2a, 21a) and to subject said closed-loop spring (3, 13, 23) to angularly distributed radial forces as said rotary bezel (1, 21) moves.

2. Watch case according to Claim 1, in which said markings (4) engaged with said radial guide means (1a, 22a) consist of rollers each of which has a groove (4a) sized to accommodate a portion of said closed-loop spring (3).

3. Watch case according to one of Claims 1 and 2 in which the outline of said closed-loop spring (13, 23) viewed in plan view is shaped to form said markings (13a, 23a) engaged with said radial guide means (1a, 22a), the radial axis passing through the center of each of said markings (13a, 23a) being coaxial with an

element (14, 23b) secured to said spring engaged with said guide means (1a, 22a).

4. Watch case according to Claim 3 in which the  
5 outline of said closed-loop spring (23a) viewed in plan view is shaped to form said elements (23c) engaged with said guide means (22b).

5. Watch case according to one of the preceding  
10 claims in which said closed-loop spring (3, 13, 23) has a circular outline.

6. Watch case according to one of the preceding  
claims in which said closed-loop spring (3, 13) is  
15 axially retained by an annular slot formed in the bezel (1).

7. Watch case according to one of Claims 1 to 5 in  
which the internal outline of said closed-loop spring  
20 (23) has projections (23c) that fit into slots formed on an internal lateral face integral with the case middle B.

8. Watch case according to one of Claims 1-4, 6, 7 in  
25 which said closed-loop spring (3, 13, 23) has more or less a polygonal outline.